

Title (en)
SEALING INNER SLEEVE HAVING A DEFORMABLE INTERMEDIATE SECTION

Title (de)
DICHTUNGSINNENMANSCHETTE MIT VERFORMBAREN ZWISCHENABSCHNITT

Title (fr)
GARNITURE INTÉRIEURE CYLINDRIQUE À PARTIE INTERMÉDIAIRE DÉFORMABLE

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Application
EP 14725610 A 20140502

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Abstract (en)
[origin: CA2913818A1] The invention relates to a sealing inner sleeve (10) for insertion into pipes in order to seal leaks therein. Said sealing inner sleeve (10) has a locking device (20) allowing an increase in the diameter of the sealing inner sleeve (10) but blocking same in the opposite direction, the sealing inner sleeve (10) having two end sections (14), (15) and an intermediate section (16) connecting said end sections to form a contiguous component. A plurality of longitudinal slots (30) at a distance from one another in the circumferential direction and separated from one another by longitudinal webs (40) are provided in the intermediate section (16). According to the invention, the longitudinal slots (30) and the longitudinal webs (40) are arranged on the circumference of the sealing inner sleeve (10) at a slant with a predetermined angular offset relative to a centre axis (X) of the sealing inner sleeve. The angular offset can be in a range of greater than 45° and less than 90°, for example, relative to the centre axis (X) for one group of longitudinal slots (130) and longitudinal webs (140), and/or in a range of 5° to 20°, for example, for a different group of longitudinal slots (130) and longitudinal webs (40). Advantages: thanks to its good deformability, the sealing inner sleeve (10) can also be used for pipes that are situated at a slight angle relative to one another or are offset or have different diameters.

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